

WHAT IS CLAIMED IS:

1. A method for immunoisolation of a cell comprising:
coating a cell/poly- β -1-4-N-acetylglucosamine species, said
5 cell/poly- β -1-4-N-acetylglucosamine species comprising a
poly- β -1-4-N-acetylglucosamine species comprising about 4,000
to about 150,000 N-acetylglucosamine monosaccharides
covalently attached in a β -1-4 conformation, free of protein,
substantially free of other organic contaminants,
substantially free of inorganic contaminants, and having a
10 molecular weight of about 800,000 daltons to about 30 million
daltons within with at least one cell is encapsulated, with a
coating having a polyelectrolyte charge opposite to the
charge of the cell/poly- β -1-4-N-acetylglucosamine species, so
that the cell within the cell/poly- β -1-4-N-acetylglucosamine
15 species is immunoisolated.

2. The method of claim 1, wherein at least one
acetylglucosamine monosaccharide of the poly- β -1-4-N-
acetylglucosamine species as been deacetylated.

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